



ENTERED

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/807,146

DATE: 08/12/2002

TIME: 15:10:49

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\08122002\I807146.raw

5 <110> APPLICANT: GALLERT, Karl-Christian
7 BENGES, Holger
9 SIMANDI, Claus
13 <120> TITLE OF INVENTION: Polyglucan And Polyglucan Derivatives Which Can Be Obtained
From
14 Amylosucrase By
15 Biocatalytic Production In The Presence Of Biogenic Substances
19 <130> FILE REFERENCE: 29988/AX98115
23 <140> CURRENT APPLICATION NUMBER: 09/807,146
C--> 25 <141> CURRENT FILING DATE: 2002-08-08
29 <150> PRIOR APPLICATION NUMBER: 19846492.4
31 <151> PRIOR FILING DATE: 1998-10-09
35 <160> NUMBER OF SEQ ID NOS: 1
39 <170> SOFTWARE: PatentIn version 3.0
43 <210> SEQ ID NO: 1
45 <211> LENGTH: 636
47 <212> TYPE: PRT
49 <213> ORGANISM: Neisseria polysaccharea
53 <400> SEQUENCE: 1
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56 1 5 10 15
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59 20 25 30
61 Lys Ser Glu Asp Trp Arg Gln Phe Ser Arg Arg Met Asp Thr His Phe
62 35 40 45
64 Pro Lys Leu Met Asn Glu Leu Asp Ser Val Tyr Gly Asn Asn Glu Ala
65 50 55 60
67 Leu Leu Pro Met Leu Glu Met Leu Leu Ala Gln Ala Trp Gln Ser Tyr
68 65 70 75 80
70 Ser Gln Arg Asn Ser Ser Leu Lys Asp Ile Asp Ile Ala Arg Glu Asn
71 85 90 95
73 Asn Pro Asp Trp Ile Leu Ser Asn Lys Gln Val Gly Gly Val Cys Tyr
74 100 105 110
76 Val Asp Leu Phe Ala Gly Asp Leu Lys Gly Leu Lys Asp Lys Ile Pro
77 115 120 125
79 Tyr Phe Gln Glu Leu Gly Leu Thr Tyr Leu His Leu Met Pro Leu Phe
80 130 135 140
82 Lys Cys Pro Glu Gly Lys Ser Asp Gly Gly Tyr Ala Val Ser Ser Tyr
83 145 150 155 160
85 Arg Asp Val Asn Pro Ala Leu Gly Thr Ile Gly Asp Leu Arg Glu Val
86 165 170 175
88 Ile Ala Ala Leu His Glu Ala Gly Ile Ser Ala Val Val Asp Phe Ile
89 180 185 190
91 Phe Asn His Thr Ser Asn Glu His Glu Trp Ala Gln Arg Cys Ala Ala

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94 Gly Asp Pro Leu Phe Asp Asn Phe Tyr Tyr Ile Phe Pro Asp Arg Arg
95      210          215          220
97 Met Pro Asp Gln Tyr Asp Arg Thr Leu Arg Glu Ile Phe Pro Asp Gln
98 225          230          235          240
100 His Pro Gly Gly Phe Ser Gln Leu Glu Asp Gly Arg Trp Val Trp Thr
101          245          250          255
103 Thr Phe Asn Ser Phe Gln Trp Asp Leu Asn Tyr Ser Asn Pro Trp Val
104          260          265          270
106 Phe Arg Ala Met Ala Gly Glu Met Leu Phe Leu Ala Asn Leu Gly Val
107          275          280          285
109 Asp Ile Leu Arg Met Asp Ala Val Ala Phe Ile Trp Lys Gln Met Gly
110          290          295          300
112 Thr Ser Cys Glu Asn Leu Pro Gln Ala His Ala Leu Ile Arg Ala Phe
113 305          310          315          320
115 Asn Ala Val Met Arg Ile Ala Ala Pro Ala Val Phe Phe Lys Ser Glu
116          325          330          335
118 Ala Ile Val His Pro Asp Gln Val Val Gln Tyr Ile Gly Gln Asp Glu
119          340          345          350
121 Cys Gln Ile Gly Tyr Asn Pro Leu Gln Met Ala Leu Leu Trp Asn Thr
122          355          360          365
124 Leu Ala Thr Arg Glu Val Asn Leu Leu His Gln Ala Leu Thr Tyr Arg
125          370          375          380
127 His Asn Leu Pro Glu His Thr Ala Trp Val Asn Tyr Val Arg Ser His
128 385          390          395          400
130 Asp Asp Ile Gly Trp Thr Phe Ala Asp Glu Asp Ala Ala Tyr Leu Gly
131          405          410          415
133 Ile Ser Gly Tyr Asp His Arg Gln Phe Leu Asn Arg Phe Phe Val Asn
134          420          425          430
136 Arg Phe Asp Gly Ser Phe Ala Arg Gly Val Pro Phe Gln Tyr Asn Pro
137          435          440          445
139 Ser Thr Gly Asp Cys Arg Val Ser Gly Thr Ala Ala Ala Leu Val Gly
140          450          455          460
142 Leu Ala Gln Asp Asp Pro His Ala Val Asp Arg Ile Lys Leu Leu Tyr
143 465          470          475          480
145 Ser Ile Ala Leu Ser Thr Gly Gly Leu Pro Leu Ile Tyr Leu Gly Asp
146          485          490          495
148 Glu Val Gly Thr Leu Asn Asp Asp Asp Trp Ser Gln Asp Ser Asn Lys
149          500          505          510
151 Ser Asp Asp Ser Arg Trp Ala His Arg Pro Arg Tyr Asn Glu Ala Leu
152          515          520          525
154 Tyr Ala Gln Arg Asn Asp Pro Ser Thr Ala Ala Gly Gln Ile Tyr Gln
155          530          535          540
157 Gly Leu Arg His Met Ile Ala Val Arg Gln Ser Asn Pro Arg Phe Asp
158 545          550          555          560
160 Gly Gly Arg Leu Val Thr Phe Asn Thr Asn Asn Lys His Ile Ile Gly
161          565          570          575
163 Tyr Ile Arg Asn Asn Ala Leu Leu Ala Phe Gly Asn Phe Ser Glu Tyr
164          580          585          590

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170		610					615					620				
172	Leu	Gln	Pro	Tyr	Gln	Val	Met	Trp	Leu	Glu	Ile	Ala				
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/807,146

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L:25 M:271 C: Current Filing Date differs, Replaced Current Filing Date